



Weather Briefing

National Weather Service Grand Rapids MI



Slide #1

Severe Weather Potential Saturday Night

Created: Saturday, August 04, 2012 – 11 AM

Webinar Slides Found On the Web At: weather.gov/grr/webinars

weather.gov/grandrapids



Hazards Summary

Slide #2

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- **Heat Index - Hot Saturday, Relief from the heat Sunday**
 - Saturday Heat Index: Mid to upper 90s.
 - Sunday Heat Index: Mid to upper 70s.
 - **Beach Hazards – Winds and Waves Increasing**
 - Saturday: 1 to 2 feet this morning, 2 to 4 feet by late afternoon
 - Saturday Night and Sunday: 3 to 5 feet, maybe up to 6 feet
- Waves Will Create Hazardous Conditions for Swimmers and Boaters
- **Severe Weather Possible Saturday Night**
 - Risk Increases After 8pm – Still High Uncertainty
 - Watching Storm Development to our West and Southwest today

weather.gov/grandrapids

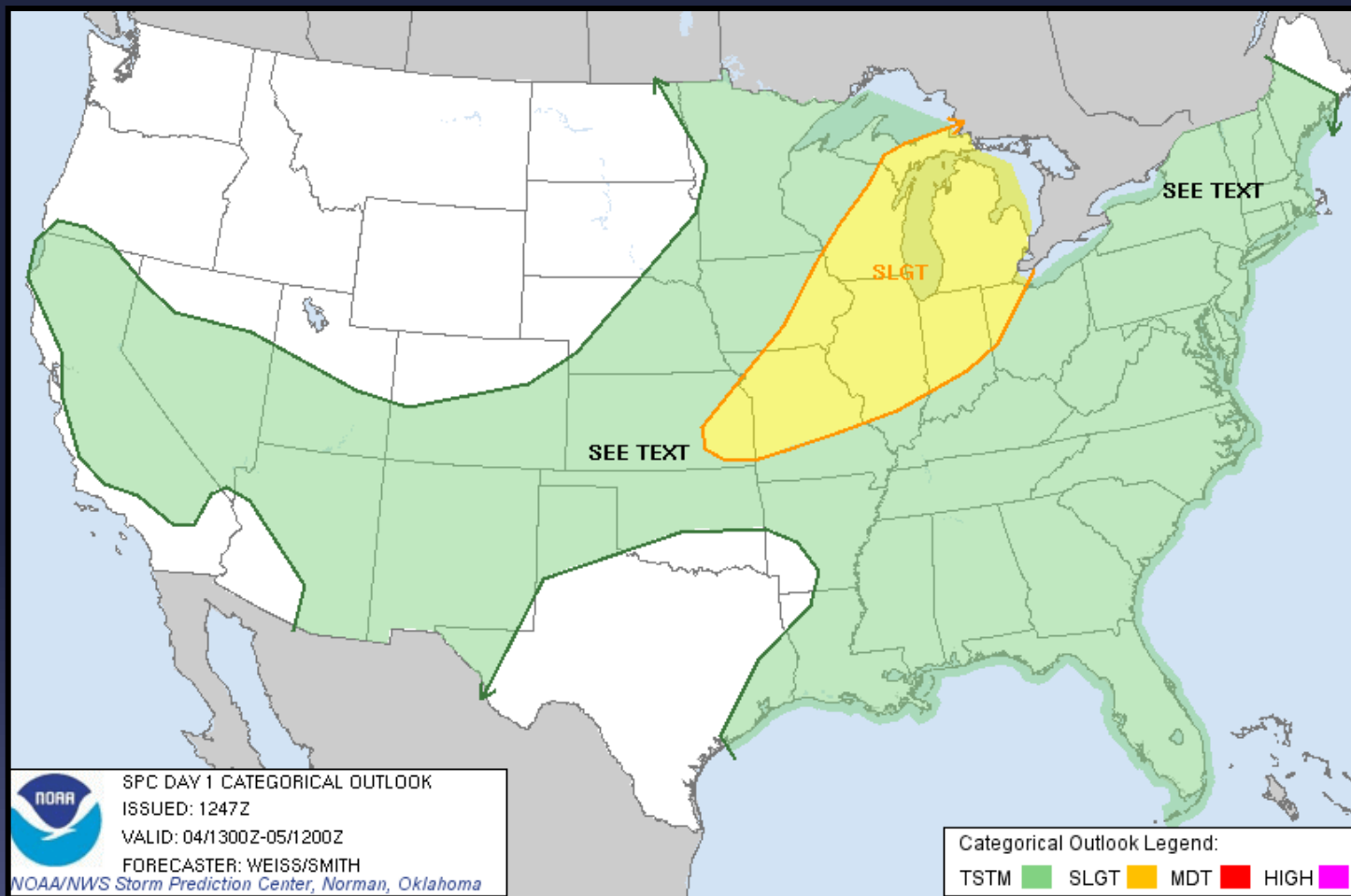


Severe Weather Outlook

National Weather Service Grand Rapids MI

Slide #3

Slight Risk for Severe Weather Tonight



Click on Image Above for the Most Current Day 1 Severe Weather Outlook



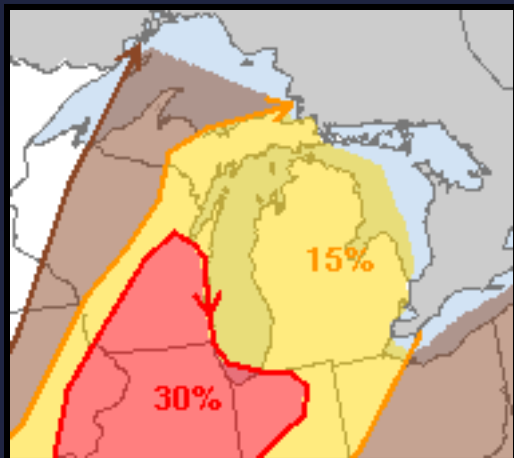
Severe Weather Threats



Slide #4

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Threats From Storms through early Sunday

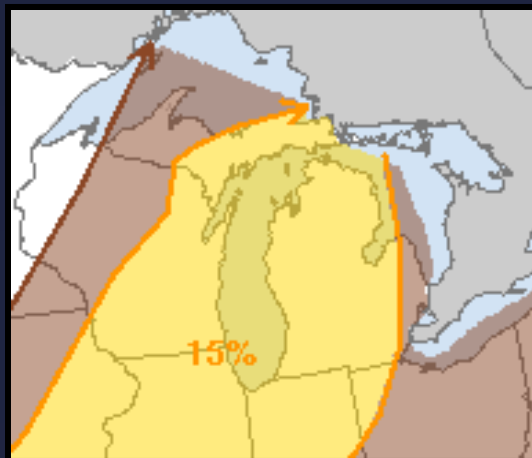


Damaging Winds

60 mph and Stronger

Lines or Clusters
of Storms

All of Lower Michigan



Large Hail

Greater Than 1"
in diameter

All of Lower Michigan



Tornado

Very Low
Tornado Threat
Tonight

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Severe Weather Details

Tonight into Sunday Morning

Slide #5

What	<ul style="list-style-type: none">• May See a Few Thunderstorms This Afternoon. Around 10% Chance• Lines or Clusters of Thunderstorms approach Michigan from the West/Southwest this evening and move through Michigan tonight.• Greatest Threat – Damaging Winds, Large Hail. Lower Threat – Tornadoes• Localized Flooding Possible – Lots of Rain Possible in a Short Time
When	<ul style="list-style-type: none">• No Severe Threat Expected through around 8pm Saturday• Storms begin to move across the lake and into Lower Michigan after 8pm• Threat Greatest in the <u>Overnight Hours</u> - between 10pm and 6am• Storms Exit the area by noon Sunday
Where	<ul style="list-style-type: none">• All of Lower Michigan has the potential to have severe weather tonight.• Lake Shore Counties and far southwest lower Michigan affected first• Any Storms will move east/northeast
Forecast Confidence	<ul style="list-style-type: none">• Low Confidence – Will be Monitoring Storms to West and South Today• Could see a large line of storms across the region, or smaller clusters

weather.gov/grandrapids

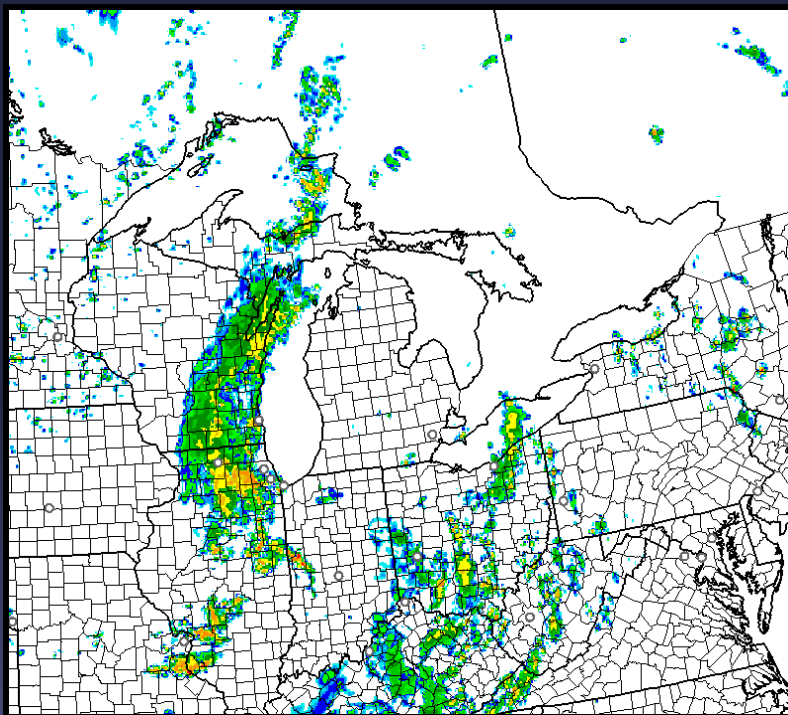
What Radar May Look Like

Two Forecast Models – At 8pm Saturday

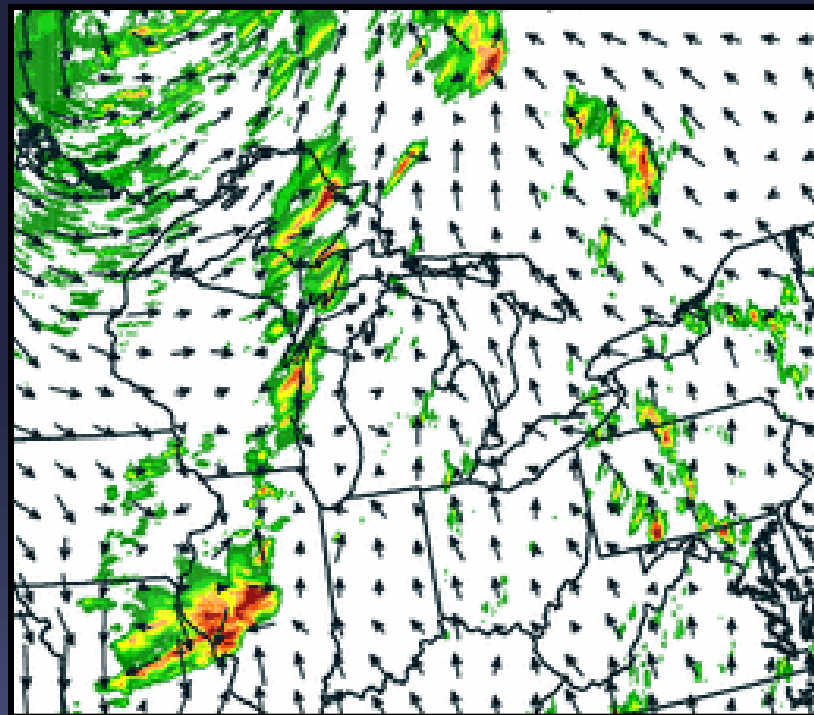
Slide #6

Show Different Possibilities for Severe Weather

Model #1 - 8pm Saturday
Organized Line of Storms



Model #2 - 8pm Saturday
Storm Clusters – Less Coverage





Hazards Summary

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Slide #7

- **Severe Weather Possible after 8pm**
 - Greatest Threat between 10am and 6am – When Most are Asleep
- **High Heat Index Saturday** – mid to upper 90s. Much Cooler Sunday
- **Beach Hazards** for lake shore counties later today through Sunday

weather.gov/grandrapids



Important Web Links

NOAA National Weather Service Grand Rapids MI



Slide #8

Click on the links below to visit the web page

NWS Grand Rapids Website

weather.gov/grandrapids

Archived Webinars

weather.gov/grr/webinars

Severe Weather Summary

www.crh.noaa.gov/hazards/grr

Storm Prediction Center

www.spc.noaa.gov

Regional Radar Loop

weather.gov/radar